



Data Interpretation Guide

SECOND GRADE 2016-2017

Christopher Parker, Ph.D.
IDEAL Consulting Services, Inc.

(508) 636-6615

(866) 254-6136

cparker@idealconsultingservices.com

www.idealconsultingservices.com



Established Benchmarks Levels

Second Grade

Measure	Beginning of Year		Middle of Year		End of Year	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
NWF-CLS	0 - 34	Well Below				
	35 - 53	Below				
	≥ 54	At/Above				
NWF-WWR	0 - 5	Well Below				
	6 - 12	Below				
	≥ 13	At/Above				
CBM/ORF	0 - 25	Well Below	0 - 51	Well Below	0 - 69	Well Below
	26 - 43	Below	52 - 67	Below	70 - 89	Below
	≥ 44	At/Above	≥ 68	At/Above	≥ 90	At/Above
D-ORF*	0 - 36	Well Below	0 - 54	Well Below	0 - 64	Well Below
	37 - 51	Below	55 - 71	Below	65 - 86	Below
	≥ 52	At/Above	≥ 72	At/Above	≥ 87	At/Above

*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

Massachusetts Public Schools' Norms: *Second Grade*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ NWF-CLS	≥ 137	111-136	67-110	53-66	39-52	≤ 38
■ NWF-WWR	≥ 48	38-47	20-37	13-19	6-12	≤ 5
■ CBM/ORF	≥ 121	97-120	62-96	48-61	31-47	≤ 30
■ CBM Maze	≥ 16	11-15	6-10	4-5	3	≤ 2
■ D-ORF*	≥ 113	89-112	57-88	44-56	29-43	≤ 28
Winter						
■ CBM/ORF	≥ 144	123-143	90-122	77-89	59-76	≤ 58
■ CBM Maze	≥ 24	19-23	12-18	10-11	7-9	≤ 6
■ D-ORF*	≥ 135	114-134	82-113	67-81	47-66	≤ 46
Spring						
■ CBM/ORF	≥ 160	140-159	107-139	95-106	76-94	≤ 75
■ CBM Maze	≥ 29	24-28	17-23	14-16	10-13	≤ 9
■ D-ORF*	≥ 153	129-152	94-128	81-93	60-80	≤ 59

*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

National FAST CBM Reading & Adaptive Norms: *Second Grade*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
FAST CBM Reading	≥ 113	92-112	59-91	42-58	24-41	≤ 23
FAST aReading	≥ 492	484-491	469-483	459-468	446-458	≤ 445
FAST aMath	≥ 204	202-203	196-201	194-195	191-193	≤ 190
Winter						
FAST CBM Reading	≥ 138	120-137	87-119	73-86	52-72	≤ 51
FAST aReading	≥ 504	498-503	479-497	475-478	464-474	≤ 463
FAST aMath	≥ 208	207	201-206	198-200	194-197	≤ 193
Spring						
FAST CBM Reading	≥ 152	136-151	105-135	90-104	70-89	≤ 69
FAST aReading	≥ 511	504-510	487-503	480-486	473-479	≤ 472
FAST aMath	≥ 211	209-210	203-208	201-202	197-200	≤ 196

Benchmarks for FAST CBM Reading & Adaptive Measures – Second Grade

Measure	Fall		Winter		Spring	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
CBM Reading	0 - 29	Well Below	0 - 60	Well Below	0 - 78	Well Below
	30 - 58	Below	61 - 86	Below	79 - 104	Below
	≥ 59	At/Above	≥ 87	At/Above	≥ 105	At/Above
aReading	0 - 450	Well Below	0 - 468	Well Below	0 - 474	Well Below
	451 - 467	Below	469 - 478	Below	475 - 485	Below
	≥ 468	At/Above	≥ 479	At/Above	≥ 486	At/Above
aMath	0 - 191	Well Below	0 - 194	Well Below	0 - 197	Well Below
	192 - 195	Below	195 - 199	Below	198 - 202	Below
	≥ 196	At/Above	≥ 200	At/Above	≥ 203	At/Above

Expected Weekly Growth Rates for **CBM/ORF/D-ORF***, **CBM Maze**, & **DAZE**

GRADE 2		
Subtest	Realistic	Ambitious
CBM/ORF/D-ORF*	1.50	2.00
CBM Maze	0.30	0.46

*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

From Fuchs, Fuchs, Hamlett, Walz, & Germann (1993). Formative evaluation of academic progress: How much growth can we expect? *School Psychology Review*, 22(1), 27-48.

Note: From C. Parker (2012). [*Utilizing CBM-MAZE to examine the weekly growth rates of grades 2-8 students' reading comprehension skills*]. Unpublished raw data.

Gain Scores Table: Second Grade

Subtest	Weeks	Ambitious	Typical	Less than Typical
CBM/ORF/D-ORF*	5	≥ 11	8-10	≤ 7
	8	≥ 17	12-16	≤ 11
	10	≥ 21	15-20	≤ 14
CBM Maze	5	≥ 3	2	≤ 1
	8	≥ 4	2-3	≤ 1
	10	≥ 5	3-4	≤ 2

*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

**Massachusetts 2016-2017
40th Percentile
Cut-off Scores for the 4-Square Instructional Grouping Tables**

Second Grade

Test	Fall 40th %	Winter 40th %	Spring 40th %
NWF-CLS	67	N/A	N/A
NWF-WWR	20	N/A	N/A
CBM/ORF	62	90	107
CBM Maze	6	12	17
D-ORF*	57	82	94
DAZE (96 students)	--	--	12

*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)